

City of Lincoln

- Record of Special Inspections and Reports

Where applicable, the permit applicant shall submit a statement of special inspections prepared by the registered design professional in responsible charge as a condition for permit issuance, in compliance with Chapter 17 of the 2006 International Building Code. The special inspector shall be a qualified person who shall demonstrate competence to the satisfaction of the building official for inspection of the particular type of construction or operation requiring special inspection.

Instructions:

Pg 1.

Statement of Special Inspection: The Statement of Special Inspection must show the project name and location, the owner and contractor's name, and the name of the design professional in responsible charge, as well as indicating the frequency that the special inspection reports will be submitted to the Building Official. The design professional must sign and seal the statement of special inspections, as well as the property owner.

Pg 2.

Schedule of Inspection and Testing Agencies: The Schedule of Inspection and Testing Agencies must show all of the types of inspections that pertain to the project. It must also show the various inspectors that will be performing the inspections, their contact information, and certifications. The design professional in responsible charge must list all qualifications or certifications that the inspection agencies possess.

Pg 2.

Fabricator's Certificate of Compliance: The fabricator's Certificate of Compliance must show the names of all suppliers that are furnishing any factory assembled materials or components of the building, and show whether the product is being inspected at the factory by an approved special inspector, or whether the factory itself is registered and approved to perform such work without special inspections.

Pg 3.

Qualifications of Inspectors and Testing Technicians: Provided is a list of some of the most common certifications required to perform various special inspections. Use these certifications as applicable, to identify the certifications or qualifications of the inspection and testing agencies.

Pg 4.

Final Report of Special Inspections: When all required special inspections on the project are complete, a Final Report of Special Inspections must be submitted to the building official. This report must show the project name, location, owner, owner's address, and the architect and engineer of record. It must list any inspection issues that were not resolved and any specific concerns. The final report must be signed by the special inspector or his/her agent, and be signed and sealed by the design professional in responsible charge.

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Required Verification and Inspection of Steel Construction
Required Verification and Inspection of Concrete Construction
Required Verification and Inspection of Soils
Required Verification and Inspection of Pile Foundations
Required Verification and Inspection of Pier Foundations
Level 1 Special Inspection
Level 2 Special Inspection

Provided is a complete list of required special inspections as prescribed in the International Building Code. Review the list, and below Scheduled Inspection Frequency indicate all required inspections that pertain to the specific project. Indicate whether the inspections to be performed are to be continuous inspections or periodic inspections.

Statement of Special Inspections

Project: _____ Location: _____

Owner: _____ Contractor: _____

Design Professional in Responsible Charge: _____ Firm: _____

This Statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection Coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests.

The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge.

Interim reports shall be submitted: ☐ weekly ☐ bi-weekly ☐ monthly ☐ other _____

A Final Report of Special Inspections documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the Contractor.

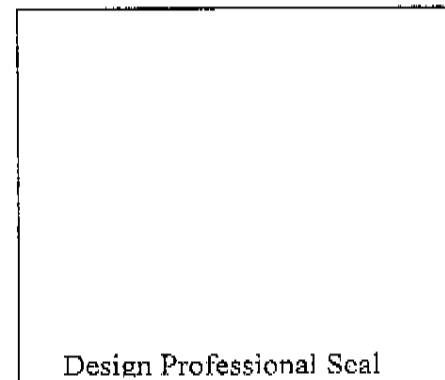
This Statement of Special Inspections was prepared by:

Type or print name

Signature Date

Owner's Authorization:

Signature Date



Schedule of Inspection and Testing Agencies

This Statement of Special Inspections includes the following building systems:

- | | |
|--|--|
| <input type="checkbox"/> Soils and Foundations | <input type="checkbox"/> Spray Fire Resistant Material |
| <input type="checkbox"/> Cast-in-place Concrete | <input type="checkbox"/> Wood Construction |
| <input type="checkbox"/> Precast Concrete | <input type="checkbox"/> Exterior Insulation and Finish System |
| <input type="checkbox"/> Masonry | <input type="checkbox"/> Mechanical & Electrical Systems |
| <input type="checkbox"/> Structural Steel | <input type="checkbox"/> Architectural Systems |
| <input type="checkbox"/> Cold-formed Steel Framing | <input type="checkbox"/> Other: _____ |

Identify the special inspection or testing agencies to be used on this project.

Firm Name	Address	Phone # or Email	Certification
1.			
2.			
3.			
4.			
5.			

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official prior to commencing work.

Fabricator's Certificate of Compliance

All pre-manufactured materials or components used for the construction of the building shall be inspected by an approved special inspector, or shall be manufactured on the premises of a fabricator that is registered and approved to perform such work without special inspections. Identify all fabricators that will be supplying materials or components to this project, and indicate whether the product was inspected by an approved special inspector, or the manufacturer is an approved fabricator. List all applicable certifications.

Firm Name	Address	Factory Inspected	Approved Fabricator	Certification
1.				
2.				
3.				
4.				
5.				

Qualifications of Inspectors and Testing Technicians

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all inspectors and testing technicians shall be provided if requested.

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designation shall appear below the Agency # on the schedule of special inspectors.

PE/SE	Structural Engineer – a licensed SE or PE specializing in the design of building structures
PE/GE	Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations
EIT	Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering examination

American Concrete Institute (ACI) Certification

ACI-CFTT	Concrete Field Testing Technician – Grade 1
ACI-CCI	Concrete Construction Inspector
ACI-LTT	Laboratory Testing Technician – Grade 1&2
ACI-STT	Strength testing Technician

American Welding Society (AWS) Certification

AWS-CWI	Certified Welding Inspector
AWS/AISC-SSI	Certified Structural Steel Inspector

American Society of Non-Destructive Testing (ASNT) Certification

ASNT	Non-Destructive Testing Technician – Level II or III
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International Code Council (ICC) Certification

ICC-SMSI	Structural Masonry Special Inspector
ICC-SWSI	Structural Steel and Welding Special Inspector
ICC-SFSI	Spray-Applied Fireproofing Special Inspector
ICC-PCSI	Prestressed Concrete Special Inspector
ICC-RCSI	Reinforced Concrete Special Inspector

National Institute for Certification in Engineering Technologies (NICET)

NICET-CT	Concrete Technician – Levels I, II, III & IV
NICET-ST	Soils Technician – Levels I, II, III & IV
NICET-GET	Geotechnical Engineering Technician – Levels I, II, III & IV

Exterior Design Institute (EDI) Certification

EDI-EIFS	EIFS Third Party Inspector
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Final Report of Special Inspections

Project: _____ Location: _____

Owner: _____ Owner's Address: _____

Architect of Record: _____ Structural Engineer of Record: _____

To the best of my information, knowledge and belief, the Special Inspections required for this project, and itemized in the Statement of Special Inspections submitted for permit, have been performed and all discovered discrepancies have been reported and resolved.

Any unresolved issues are listed as follows:

1. _____
 2. _____
 3. _____
 4. _____
 5. _____
- _____

(Attach additional sheets if required to complete the description of unresolved issues)

Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

Respectfully submitted,
Special Inspector or Agent

Type or print name

Signature

Date

Signing this form acknowledges that all Special Inspections and testing for this specific project were completed in strict compliance with the 2006 International Building Code.

Design Professional Seal

Required Verification and Inspection of Steel Construction

Verification and Inspection	Continuous	Periodic	Referenced Standard ^a	IBC Reference	Scheduled Inspection Frequency	
					Continuous	Periodic
1. Material verification of high-strength bolts, nuts and washers:						
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	--	X	Applicable ASTM material specifications: AISC 360, Sec. A3.3	--		
b. Manufacturer's certificate of compliance required.	--	X		--		
2. Inspection of high-strength bolting:						
a. Bearing-type connections	--	X	AISC 360, Section M2.5	1704.3		
b. Slip-critical connections	X	X				
3. Material verification of structural steel:						
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	--	--	ASTM A 6 or ASTM A 568	1708.4		
b. Manufacturers' certified mill test reports	--	--				
4. Material verification of weld filler materials:						
a. Identification markings to conform to AWS specification in the approved construction documents	--	--	AISC 360, Section A3.5	--		
b. Manufacturer's certificate of compliance required						
5. Inspection of welding:						
a. Structural steel:						
1) Complete and partial penetration groove welds	X	--	AWS D1.1	1704.3.1		
2) Multipass fillet welds	X	--				
3) Single-pass fillet welds > 5/16"	X	--				
4) Single-pass fillet welds ≤ 5/16"	--	X	AWS D1.3	--		
5) Floor and roof deck welds	--	X				
b. Reinforcing steel:						
1) Verification of weldability of reinforcing steel other than ASTM A 706	--	X	AWS D1.4 ACI 318: 3.5.2	--		
2) Reinforcing steel-resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special reinforced concrete shear walls and shear reinforcement	X	--				
3) Shear reinforcement	X	--				
4) Other reinforcing steel	--	X				
6. Inspection of steel frame joint details for compliance with approved construction documents:		X				
a. Details such as bracing and stiffening	--	--	--	1704.3.2		
b. Member locations	--	--				
c. Application of joint details at each connection	--	--				

a. Where applicable, see also Section 1707.1, Special inspection for seismic resistance.

Required Verification and Inspection of Concrete Construction

Verification and Inspection	Continuous	Periodic	Referenced Standard ^a	IBC Reference	Scheduled Inspection Frequency	
					Continuous	Periodic
1. Inspection of reinforcing steel, including prestressing tendons, and placement.	--	X	ACI 318: 3.5, 7.1-7.7	1913.4		
2. Inspection of reinforcing steel welding in accordance with Table 1704.3, Item 5b	--	--	AWS D1.4 ACI 318: 3.5.2	--		
3. Inspect bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased.	X	--	--	1911.5		
4. Verifying use of required design mix.	--	X	ACI 318: Ch. 4, 5.2-5.4	1904.2.2, 1913.2, 1913.3		
5. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	X	--	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	1913.10		
6. Inspection of concrete and shotcrete placement for proper application techniques.	X	--	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8		
7. Inspection for maintenance of specified curing temperature and techniques	--	X	ACI 318: 5.11-5.13	1913.9		
8. Inspection of prestressed concrete: a. Application of prestressing forces. b. Grouting of bonded prestressing tendons in the seismic-force-resisting system.	X X	--	ACI 318: 18.20 ACI 318: 18.18.4	--		
9. Erection of precast concrete members.	--	X	ACI 318: Ch. 16	--		
10. Verification of in-situ concrete strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs.	--	X	ACI 318: 6.2	--		
11. Inspect formwork for shape, location and dimensions of the concrete member being formed.	--	X	ACI 318: 6.1.1	--		

a. Where applicable, see also Section 1707.1. Special inspection for seismic resistance.

Required Verification and Inspection of Soils

Verification and Inspection	Continuously during task listed	Periodically during task listed	Scheduled Inspection Frequency	
			Continuous	Periodic
1. Verify materials below footings are adequate to achieve the design bearing capacity.	--	X		
2. Verify excavations are extended to proper depth and have reached proper material.	--	X		
3. Perform classification and testing of controlled fill materials	--	X		
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of controlled fill	X	--		
5. Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly	--	X		

Required Verification and Inspection of Pile Foundations

Verification and Inspection Task	Continuous during task listed	Periodically during task listed	Scheduled Inspection Frequency	
			Continuous	Periodic
1. Verify pile materials, sizes and lengths comply with the requirements	X	--		
2. Determine capacities of test piles and conduct additional load tests as required	X	--		
3. Observe driving operations and maintain complete and accurate records for each pile	X	--		
4. Verify placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any pile damage	X	--		
5. For steel piles, perform additional inspections in accordance with Section 1704.3	--	--		
6. For concrete piles and concrete-filled piles, perform additional inspections in accordance with Section 1704.4	--	--		
7. For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge	--	--		
8. For augered uncased piles and caisson piles, perform inspections in accordance with Section 1704.9	--	--		

Required Verification and Inspection of Pier Foundations

Verification and Inspection Task	Continuous during task listed	Periodically during task listed	Scheduled Inspection Frequency	
			Continuous	Periodic
1. Observe drilling operations and maintain complete and accurate records for each pier	X	--		
2. Verify placement locations and plumbness, confirm pier diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end bearing strata capacity	X	--		
3. For concrete piers, perform additional inspections in accordance with Section 1704.4	--	--		
4. For masonry piers, perform additional inspections in accordance with Section 1704.5	--	--		

Level 1 Special Inspection

Inspection Task	Frequency of Inspection		Reference for Criteria			Scheduled Inspection Frequency	
	Continuous during task listed	Periodically during task listed	IBC section	ACI 530/ASCE 5/TMS 402 ^a	ACI 530/ASCE 6/TMS 602 ^a	Continuous	Periodic
1. As masonry construction begins, the following shall be verified to ensure compliance:							
a. Proportions of site-prepared mortar	--	X	--	--	Art. 2.6A		
b. Construction of mortar joints	--	X	--	--	Art. 3.3B		
c. Location of reinforcement, connectors, prestressing tendons and anchorages	--	X	--	--	Art. 3.4, 3.6		
d. Prestressing technique	--	X	--	--	Art. 3.6B		
e. Grade and size of prestressing tendons and anchorages	--	X	--	--	Art. 2.4B, 2.4H		
2. The inspection program shall verify:							
a. Size and location of structural elements	--	X	--	--	Art. 3.3G		
b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction	--	X	--	Sec. 1.2.2(c), 2.1.4, 3.1.6			
c. Specified size, grade and type of reinforcement	--	X	--	Sec. 1.13	Art. 2.4, 3.4		
d. Welding of reinforcing bars	X	--	--	Sec. 2.1.10.7.2, 3.3.3.4(b)	--		
e. Protection of masonry during cold weather (temperature below 40° F) or hot weather (temperature above 90° F)	--	X	Sec. 2104.3, 2104.4	--	Art. 1.8C, 1.8D		
f. Application and measurement of prestressing force	--	X	--	--	Art. 3.6B		
3. Prior to grouting, the following shall be verified to ensure compliance:							
a. Grout space is clean	--	X	--	--	Art. 3.2D		
b. Placement of reinforcement and connectors and prestressing tendons and anchorages	--	X	--	Sec. 1.13	Art. 3.4		
c. Proportions of site-prepared grout and prestressing grout for bonded tendons	--	X	--	--	Art. 2.6B		
d. Construction of mortar joints	--	X	--	--	Art. 3.3B		
4. Grout placement shall be verified to ensure compliance with code and construction document provisions	X	--	--	--	Art. 3.5		
a. Grouting of prestressing bonded tendons	X	--	--	--	Art. 3.6C		
5. Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed	X	--	Sec. 2105.2.2, 2105.3	--	Art. 1.4		
6. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified	--	X	--	--	Art. 1.5		

a. The specific standards referenced are those listed in Chapter 35

Level 2 Special Inspection

Inspection Task	Frequency of Inspection		Reference for Criteria			Scheduled Inspection Frequency	
	Continuous during task listed	Periodically during task listed	IBC section	ACI 530/ASCE 5/TMS 402 ^a	ACI 530.1/ASCE 6/TMS 602 ^a	Continuous	Periodic
1. From the beginning of masonry construction, the following shall be verified to ensure compliance:							
a. Proportions of site-prepared mortar, grout and prestressing grout for bonded tendons	--	X	--	--	Art. 2.6A		
b. Placement of masonry units and construction of mortar joints	--	X	--	--	Art. 3.3B		
c. Placement of reinforcement, connectors and prestressing tendons and anchorages	--	X	--	Sec. 1.13	Art. 3.4, 3.6A		
d. Grout space prior to grouting	X	--	--	--	Art. 3.2D		
e. Placement of grout	X	--	--	--	Art. 3.5		
f. Placement of prestressing grout	X	--	--	--	Art. 3.6C		
2. The inspection program shall verify:					Art. 3.3G		
a. Size and location of structural elements	--	X	--	--			
b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction	X	--	--	Sec. 1.2.2(c), 2.1.4, 3.1.6			
c. Specified size, grade and type of reinforcement	--	X	--	Sec. 1.13	Art. 2.4, 3.4		
d. Welding of reinforcing bars	X	--	--	Sec. 2.1.10.7.2, 3.3.3.4(b)	--		
e. Protection of masonry during cold weather (temperature below 40° F) or hot weather (temperature above 90° F)	--	X	Sec. 2104.3, 2104.4	--	Art. 1.8C, 1.8D		
f. Application and measurement of prestressing force	X	--	--	--	Art. 3.6		
3. Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed	X	--	Sec. 2105.2.2, 2105.3	--	Art. 1.4		
4. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified	--	X	--	--	Art. 1.5		

a. The specific standards referenced are those listed in Chapter 35.